

at least one scanning station having a base for supporting a foot to be measured, the at least one scanning station including at least one movable laser scanning unit for determining coordinates of an undersurface of the foot by directing at least one line of laser light along the undersurface;

at least one milling station in communication with the scanning station, the at least one milling station comprises a milling assembly for forming the custom-made insole; and

control means for controlling the operation of the milling assembly based upon the coordinates determined by the at least one laser scanning unit, wherein the at least one laser scanning unit includes a first and second side portion extending upwardly from the base along the length thereof.--

--32. The system of claim 31, wherein the base, and the first and second side portions are made of tempered glass.--

--33. The system of claim 32, further comprising a plurality of laser scanning units, wherein a laser scanning unit is movably disposed along the base, the first side portion and the second side portion, respectively.--

REMARKS

The Office Action of July 27, 2000 has been carefully studied. The Examiner is thanked for indicating the allowability of claims 17-19 if they are rewritten in the independent form including all of the limitations of the base claim and any intervening